



SEQUENCE LISTING

(1) GENERAL INFORMATION:

- Sub E1*
- (i) APPLICANT: Dolly, James Oliver
Aoki, Kei Roger
Wheeler, Larry Allen
Garst, Michael Elwood
- (ii) TITLE OF INVENTION: MODIFICATION OF CLOSTRIDIAL
TOXINS FOR USE AS TRANSPORT PROTEINS
- (iii) NUMBER OF SEQUENCES: 13
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Allergan, Inc.
(B) STREET: 2525 Dupont Drive
(C) CITY: Irvine
(D) STATE: CA
(E) COUNTRY: USA
(F) ZIP: 92623
- C1*
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: Windows 95
(D) SOFTWARE: FastSEQ for Windows Version 2.0
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: 08/750,101
(B) FILING DATE: 01-MAY-1997
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: PCT/GB95/01253
(B) FILING DATE: 31-MAY-1995

(A) APPLICATION NUMBER: UK9410871.9
(B) FILING DATE: 31-MAY-1994

(A) APPLICATION NUMBER: UK9410871.1
(B) FILING DATE: 31-MAY-1994
- (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Fisher, Carlos A

- (B) REGISTRATION NUMBER: 36,510
- (C) REFERENCE/DOCKET NUMBER: 17044

(ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: 714-246-4920
- (B) TELEFAX: 714-246-4249
- (C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 33 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GAGATGGTCG ACATGCCAAT AACCATAAAT AAT

33

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 32 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

ACGCGAAGCT TTTATCATGC AGTTCTATTA TA

32

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

TAGTACATGT ATAAGTGCGT GCATTAATAG

30

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 base pairs

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

TTATACATGT ACTACATGGT

20

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

AAAGGCCTTT TGTTAATAAA CAA

23

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 26 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GGAATTCTTA CTTATTGTAT CCTTTA

26

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

GCACATCAAC TTATACAT

18

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18 base pairs
- (B) TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEO ID NO:8:

18

(i) SEQUENCE CHARACTERISTICS:

(xi) SEQUENCE DESCRIPTION: SEO ID NO:9:

18

(i) SEQUENCE CHARACTERISTICS:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

18

(i) SEQUENCE CHARACTERISTICS:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

(2) INFORMATION FOR SEO ID NO:12:

(i) SEQUENCE CHARACTERISTICS:

50

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

ATTTCACCAA TAACCATAAA TAATTTTAG

29

(2) INFORMATION FOR SEQ ID NO:13:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 26 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

CGGGATCCTT CTGTATCATT GTAAAT

26

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